

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3293	heart with valve with (replacement removable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 07:41
L2	6546	catheter and (expandable collapsible) and guide and (cut\$4 ablation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 07:41
L3	366	L2 and L1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 07:41
L4	222	3 and ((cut\$4 remove) with (heart valve))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 07:42
L5	183	3 and ((cut\$4 remove) with (valve))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 07:42
L6	55	5 and @AD<"20021113"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 07:43
L7	62	((axle elongated tube) with (cut\$4) with (non-mechanical laser RF) with (radial\$2 expandable collapsible)) and guide	US-PGPUB; USPAT	OR	ON	2007/03/15 08:31
L8	3	((axle elongated tube) with (cut\$4) with (non-mechanical laser RF) with (radial\$2 expandable collapsible)) and guide).clm.	US-PGPUB; USPAT	OR	ON	2007/03/15 08:32
L9	1	((axle elongated tube) with (cut\$4) with (non-mechanical laser RF) with (radial\$2 expandable collapsible)) and guide).clm.	US-PGPUB	OR	ON	2007/03/15 08:32
S1	2	((("5,443,446") or ("6,033,419")).PN.	USPAT; USOCR; EPO; JPO	OR	OFF	2005/08/08 07:57

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## EAST Search History

S2	2	("20040116951").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/08 10:29
S3	2504	heart with valve with replacement	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/17 11:43
S4	3616	(128/898).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/08 10:30
S5	52225	("606").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/08 10:30
S6	2527	heart with valve with (replacement removable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 11:37
S7	363	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 10:31
S8	122	S4 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 10:32
S9	4850	catheter and (expandable collapsible) and guide and (cut\$4 ablation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 07:41
S10	230	S9 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 10:34
S11	124	S10 and @AD<"20021113"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/17 12:18

## EAST Search History

S12	124	S11 and (heart valve replacement removable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 10:37
S13	1081	(heart and valve and (replace\$4 remov\$4)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 11:38
S14	15	S13 and (second with (expandable collapsible)) and guide and (cut\$4 ablation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 11:56
S15	2	("6830584").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/08 11:43
S16	32	S13 and (second with (expandable collapsible))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 13:36
S17	17	S16 not S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 12:03
S18	2	("6461327").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/08 12:08
S19	2	("20010041864").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/08 12:08
S20	15	(US-20040116951-\$ or US-20010044591-\$ or US-20020058995-\$ or US-20040210304-\$).did. or (US-5295958-\$ or US-5370685-\$ or US-5545214-\$ or US-5558644-\$ or US-6190357-\$ or US-6338735-\$ or US-6629534-\$ or US-6896690-\$ or US-6830584-\$ or US-5584803-\$ or US-6461327-\$).did.	US-PGPUB; USPAT	OR	ON	2005/08/08 12:55

## EAST Search History

S21	11	S20 and laser	US-PGPUB; USPAT	OR	ON	2005/08/08 13:36
S22	1884	(tube catheter shaft) and (second with (expandable collapsible)) and (laser RF HF)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/28 10:22
S23	528	((tube catheter shaft) with (second with (expandable collapsible))) and (laser RF HF)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 13:40
S24	343	S23 and (balloon expand\$4 collaps\$4).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 13:39
S25	117	S24 and ((tube catheter shaft) with rotat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/08 14:08
S26	2	("0699260").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/08 14:08
S27	2	("6699260").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/08 14:08
S28	24	("3996938"   "4401124"   "4582061"   "4869259"   "4977897"   "5048530"   "5081997"   "5213569"   "5221269"   "5329942"   "5380273"   "5383466"   "5490521"   "5498236"   "5518498"   "5549626"   "5611345"   "5713848"   "5766135"   "5769795"   "5797960"   "5814064"   "5935139"   "6238412").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/08 14:25
S29	4	((("5885238") or ("5868702"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/08 14:25

## EAST Search History

S30	17	"850607"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/09 09:29
S31	2	("6425916").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/09 09:29
S32	1	(blood adj vessel) and occlusion and laser and cotheter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/09 12:27
S33	3150	(blood adj vessel) and occlusion and laser and catheter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/09 12:27
S34	112	S33 and (laser and catheter).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/09 12:27
S35	79	S33 and (laser and catheter).ab.	USPAT; USOCR; EPO; JPO	OR	ON	2005/08/09 12:27
S36	29	((("3,946,503") or ("5,352,240") or ("5,480,424") or ("5,688,261") or ("5,722,970") or ("5,799,282") or ("5,823,948") or ("5,984,959") or ("5,999,909") or ("6,014,630") or ("6,149,440") or ("6,171,112") or ("6,203,553") or ("6,309,417") or ("6,413,274") or ("6,638,303"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/09 13:44
S37	16	((("3,946,503") or ("5,352,240") or ("5,480,424") or ("5,688,261") or ("5,722,970") or ("5,799,282") or ("5,823,948") or ("5,984,959") or ("5,999,909") or ("6,014,630") or ("6,149,440") or ("6,171,112") or ("6,203,553") or ("6,309,417") or ("6,413,274") or ("6,638,303"))).PN.	USPAT	OR	OFF	2005/08/09 13:44

## EAST Search History

S38	16	(US-20010044591-\$ or US-20020058995-\$ or US-20040116951-\$ or US-20040210304-\$).did. or (US-5295958-\$ or US-5370685-\$ or US-5545214-\$ or US-5558644-\$ or US-5584803-\$ or US-6190357-\$ or US-6338735-\$ or US-6461327-\$ or US-6629534-\$ or US-6830584-\$ or US-6896690-\$ or US-6238412-\$). did.	US-PGPUB; USPAT	OR	ON	2005/08/09 13:49
S39	18	(US-6033419-\$ or US-5443446-\$ or US-6638303-\$ or US-5999909-\$ or US-5984959-\$ or US-5823948-\$ or US-5799282-\$ or US-5722970-\$ or US-5688261-\$ or US-5480424-\$ or US-5352240-\$ or US-3946503-\$ or US-6203553-\$ or US-6309417-\$ or US-6413274-\$ or US-6149440-\$ or US-6171112-\$ or US-6014630-\$). did.	USPAT	OR	ON	2005/08/09 13:49
S40	16	S38 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/09 13:49
S41	312	(623/2.11).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/09 13:53
S42	3619	(128/898).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/09 13:53
S43	2387	((tube catheter shaft) with first) and ((tube catheter shaft) with second) and (first with (expandable collapsible)) and (second with (expandable collapsible)) and (laser RF HF cut cutting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/28 10:54
S44	149	((((tube catheter shaft) with first) and ((tube catheter shaft) with second) and (first with (expandable collapsible)) and (second with (expandable collapsible)) and (laser RF HF cut cutting)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/28 10:59

## EAST Search History

S45	74	S44 and tissue	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/28 10:49
S46	1	("6769434").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/01/28 10:49
S47	5	("5041130"   "5716370"   "5972030"   "6010531").PN. OR ("6769434"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/28 10:49
S48	1	("2004/0034380").URPN.	USPAT	OR	ON	2006/01/28 10:52
S49	6752	((tube catheter shaft) with connected with (adjust\$4 move\$4) with (laser RF HF cut cutting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/28 10:57
S50	10	S43 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/28 10:57
S51	1	S50 and tissue	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/28 10:56
S52	914	((tube catheter shaft) with connected with (adjust\$4 move\$4) with (laser RF HF cut cutting)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/28 10:59
S53	2	S44 and S52	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/28 10:58
S54	64	((((tube catheter shaft) with first) and ((tube catheter shaft) with second) and (first with (expandable collapsible)) and (second with (expandable collapsible)) and (laser RF HF cut cutting)).clm.	US-PGPUB	OR	ON	2006/06/17 11:26
S55	92	((tube catheter shaft) with connected with (adjust\$4 move\$4) with (laser RF HF cut cutting)).clm.	US-PGPUB	OR	ON	2006/01/28 10:59
S56	0	S54 and S55	US-PGPUB	OR	ON	2006/01/28 10:59

## EAST Search History

S57	145	("4056854"   "4631052"   "4883458"   "4966604"   "4979939"   "5007896"   "5011488"   "5026366"   "5032128"   "5047041"   "5080660"   "5152771").PN. OR ("5370685").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/28 11:51
S58	17	(US-20010044591-\$ or US-20020058995-\$ or US-20040116951-\$ or US-20040210304-\$ or US-20040034380-\$).did. or (US-5295958-\$ or US-5370685-\$ or US-5545214-\$ or US-5558644-\$ or US-5584803-\$ or US-6190357-\$ or US-6238412-\$ or US-6338735-\$ or US-6461327-\$ or US-6629534-\$ or US-6830584-\$ or US-6896690-\$). did.	US-PGPUB; USPAT	OR	ON	2006/01/28 13:42
S59	11	S58 and (cardiac with valve) and laser	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/28 13:48
S60	11	S59 and (collapsible expandable)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/28 13:48
S61	18	(US-5799282-\$ or US-5688261-\$ or US-5722970-\$ or US-5999909-\$ or US-5823948-\$ or US-6413274-\$ or US-3946503-\$ or US-6171112-\$ or US-6309417-\$ or US-5443446-\$ or US-5480424-\$ or US-5352240-\$ or US-6149440-\$ or US-5984959-\$ or US-6203553-\$ or US-6033419-\$ or US-6638303-\$ or US-6014630-\$). did.	USPAT	OR	ON	2006/01/28 13:57
S62	17	S58 not S61	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/01/28 13:57
S63	49	((tube catheter shaft) with first) and ((tube catheter shaft) with second) and (first with (expandable collapsible)) and (second with (expandable collapsible)) and ((laser RF HF cut cutting) with (radial\$2 expand expandable displace\$ movable)).clm.	US-PGPUB	OR	ON	2006/06/17 11:28



## EAST Search History

S64	22	((((tube catheter shaft) with first) and ((tube catheter shaft) with second) and (first with (expandable collapsible)) and (second with (expandable collapsible)) and ((laser RF HF cut cutting) with (radial\$2 expand expandable displace\$ movable))).clm.	US-PGPUB	OR	ON	2006/06/17 12:40
S65	224	((((tube catheter shaft) with first) and ((tube catheter shaft) with second) and (first with (expandable collapsible)) and (second with (expandable collapsible)) and ((laser RF HF cut cutting) with (radial\$2 expand expandable displace\$ movable)))	US-PGPUB	OR	ON	2006/06/17 11:42
S66	37	S65 and (heart with valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/17 11:43
S67	35	S66 not S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/17 12:17
S68	442	method with replacement with heart with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/17 12:17
S69	290	S68 and @AD<"20021113"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/15 07:43
S70	62	S69 and (expandable collapsible) and guide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/17 12:19
S71	23	S70 and (heart with valve) .ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/17 12:20
S72	10	S64 and laser	US-PGPUB	OR	ON	2006/06/17 12:41

## EAST Search History

S73	17	(US-20040034380-\$ or US-20040210304-\$ or US-20040116951-\$ or US-20020058995-\$ or US-20010044591-\$).did. or (US-6830584-\$ or US-6896690-\$ or US-6629534-\$ or US-6461327-\$ or US-6238412-\$ or US-6190357-\$ or US-5584803-\$ or US-5558644-\$ or US-5545214-\$ or US-5370685-\$ or US-6338735-\$ or US-5295958-\$). did.	US-PGPUB; USPAT	OR	ON	2006/06/17 12:40
S74	5	S73 and laser	US-PGPUB	OR	ON	2006/06/17 12:41